

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE RS-0828(12) & RS-0828(14) Bartow County OFFICE Preconstruction
P.I. No.630364 & 630368
DATE July 24, 1990

FROM *JB* J. B. Johnson, Assistant Director of Preconstruction

TO Felton Rutledge, District Engineer - Cartersville

SUBJECT NOTICE OF LOCATION AND DESIGN APPROVAL

Attached for your further handling is the approved Location and Design Report on the above subject project.

Also attached is the Notice of Location and Design Approval. This is your authorization to proceed with advertisement.

JB/JS

Attachment

cc: Juan Durrence
Bob Humphrey
Frank Danchetz
Gene Skeen
Walker Scott
Paul Liles

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

RECEIVED
JUL 16 1990
PRECONSTRUCTION

FILE RS-0828(12) & RS-0828(14) Bartow
P.I. Nos. 630364 & 630368

OFFICE Cartersville

DATE July 3, 1990

FROM Felton D. Rutledge, District Engineer (FR1)

TO Charles Lewis, State Highway Engineer

SUBJECT **LOCATION AND DESIGN REPORT APPROVAL**

DESCRIPTION: RS-0828(14) begins approximately 5 miles east of Adairsville on existing SR 140 and continues easterly for 4.482 miles, and immediately goes on new alignment. The project continues on new alignment for approximately 8500 ft., until it ties back into the original SR 140 alignment. From this point forward to the end of the project, at Rocky Creek, the alignment basically follows the existing road, with improvements being made to the horizontal and vertical alignment.

RS-0828(12) begins at Rocky Creek, and continues eastward for 4.412 miles. This project also begins on existing SR 140 alignment, and basically follows the existing alignment for approximately 13,800 ft., with improvements to existing horizontal and vertical alignments, and then goes on new alignment crossing County Road 309, CSX Railroad, and SR 61, US 411, before ending approximately 1400 ft. east of SR 61, US 411, on existing SR 140 alignment. Plans currently provide for an at grade crossing for CSX Railroad; however, at the public hearing held on May 24, 1977, 19 people made comments about the project, with 10 people making comments, or alluding of the need for a bridge over the railroad.

PROJECT PROPOSAL: RS-0828(12) and RS-0828(14) consist of two 12-ft. lanes, with 8 ft. grassed shoulders. Existing drainage structure at Ballard Creek (14), and Rocky Creek (12), to be retained and extended.

ESTIMATED CONSTRUCTION:

| | | |
|------------------------|-------------|-------------|
| | RS-0828(12) | RS-0828(14) |
| Construction - Current | \$2,550,400 | \$2,141,600 |
| Approved | \$2,619,000 | \$2,174,000 |
| Right of Way | \$ 127,000 | \$ 100,000 |
| Utilities | LGPA | LGPA |

CONCEPT APPROVAL DATE: RS-0828(12) March 13, 1986
RS-0828(14) January 27, 1986

Mr. Charles Lewis
RS-0828(12) & RS-0828(14) Bartow
L&D Report Approval
July 3, 1990
Page Two

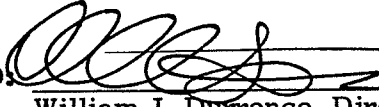
ENVIRONMENTAL ASSESSMENT DATE: 5-07-86

PUBLIC HEARING RESULTS: Date, May 24, 1977 - 19 comments,
10 voiced need, or alluded to the need of a bridge over the railroad,
9 comments in general referring to design and affects to their property.

RECOMMENDATIONS: That we approve this project location and
design and that the attached "Notice" be approved for advertising.

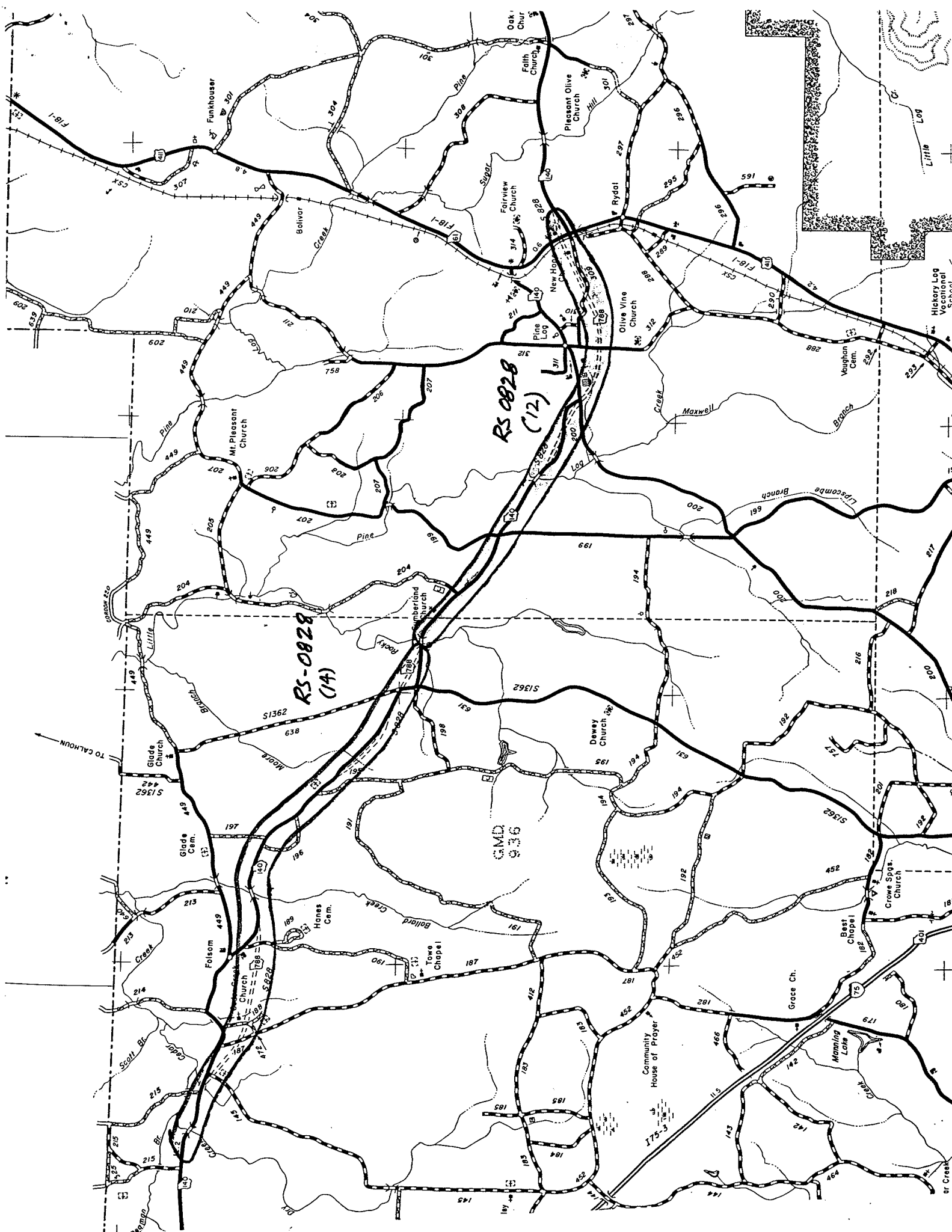
ATTACHMENTS: Sketch Map, Typical Section, Cost Estimate, Notice

RECOMMENDED:


William J. Durrence, Director of Preconstruction

APPROVED:


Charles Lewis, P.E., State Highway Engineer



RS-0828
(12)

RS-0828
(14)

GMD
936

Project No: 52-0828-
County: Essex



NOTICE OF LOCATION AND DESIGN APPROVAL

**PROJECTS: RS-0828(12) & RS-0828(14) BARTOW COUNTY
P.I. NOS. 630364 & 630368**

Notice is hereby given that the Georgia Department of Transportation has approved the Location and Design of the above projects.

RS-0828(14) is the reconstruction and relocation of 4.482 miles of SR 140 from Dry Creek near County Road 215 eastward to Rocky Creek.

RS-0828(12) is the reconstruction and relocation of 4.412 miles of SR 140 from Rocky Creek to a point on SR 140, approximately 1400 ft. east of SR 61, US 411.

These projects will have two 12-ft. travel lanes, with 8 ft. shoulders.

The purpose of these projects is to improve the capacity and safety of SR 140. The access for this project will be controlled by driveway permit.

Drawings of the proposed projects are available for public inspection until _____ at the Georgia Department of Transportation, Area Engineer's Office, 874 Peeples Valley Road, Cartersville, Georgia 30120.

Any written request in reference to these projects may be referred to:

William H. McVey
Preconstruction Engineer
Georgia Department of Transportation
District Six
P.O. Box 10
Cartersville, Georgia 30120

Telephone (404) 387-3619

PRELIMINARY COST ESTIMATE

DATE January 9, 1989

PROJECT SR-0828(14) Bartow

P.I. NO. 630368

PROJECT DESCRIPTION Reconstruction of SR 140

Length = 4.5 Miles

PROPOSED CONCEPT Reconstruction

EXISTING ROAD (If Applicable) 18' Pavement, 2' Shoulder

TRAFFIC: Existing 638 Design 1142

() PROGRAMMING PROCESS () CONCEPT DEVELOPMENT ☒ DURING PROJECT DEVELOPMENT

PROJECT COST

A. RIGHT OF WAY

1. PROPERTY (Land and Easements) \$ 100,000.00

2. DISPLACEMENTS \$ N/A

3. OTHER COSTS \$ N/A

SUBTOTAL \$ 100,000.00

B. REIMBURSABLE UTILITIES

1. RAILROAD \$

2. TRANSMISSION LINES \$

3. SERVICES \$

SUBTOTAL \$ LGPA

C. MAJOR STRUCTURES

1. WALLS \$

2. BRIDGE STREAM CROSSINGS \$

3. BRIDGE OVER/UNDERPASS Bridge Culvert No. 1 \$ 20,950.00

4. BOX CULVERTS \$ 125,805.00

SUBTOTAL \$ 146,755.00

D. GRADING AND DRAINAGE

| | | |
|--|-----------------|---------------|
| 1. EARTHWORK | | |
| | 188,000 Cu. Yd. | \$ 372,410.00 |
| 2. DRAINAGE | | |
| a. Cross Drain Pipes (exc. box culverts) | | \$ 109,516.00 |
| b. Curb and Gutter | | \$ |
| c. Logitudinal System (incl. Catch Basins) | | \$ |
| | SUBTOTAL | \$ 481,926.00 |

E. BASE AND PAVING

| | | |
|--------------------|-------------------------------------|---------------|
| 1. AGGREGATE BASE | | |
| | 31,200 Tons | \$ 372,400.00 |
| 2. ASPHALT PAVING | | |
| | "B" = 11,500 Tons, "F" = 4,800 Tons | \$ 502,300.00 |
| 3. CONCRETE PAVING | | \$ |
| 4. OTHER | | |
| | Aggregate Surface Course 1,500 Tons | \$ 36,710.00 |
| | SUBTOTAL | \$ 911,410.00 |

F. LUMP ITEMS

| | | |
|----------------------------------|---------------------------|---------------|
| 1. TRAFFIC CONTROL | | \$ 22,500.00 |
| 2. CLEARING AND GRUBBING | | \$ 171,000.00 |
| 3. LANDSCAPING | | \$ 38,340.00 |
| 4. EROSION CONTROL | Temporary Erosion Control | \$ 18,200.00 |
| 5. DETOURS (Incl. TEMP. BRIDGES) | | \$ |
| | SUBTOTAL | \$ 250,040.00 |

G. MISCELLANEOUS

| | | |
|-----------------------|------------|--------------|
| 1. LIGHTING | | \$ |
| 2. SIGNING - STRIPING | | \$ 11,078.00 |
| | Rip Rap | |
| 3. GUARDRAIL | | \$ 51,900.00 |
| 4. OTHER | | \$ 9,126.00 |
| | R/W Marker | |
| | SUBTOTAL | \$ 72,104.00 |

H. SPECIAL FEATURES

| | |
|--|----|
| | \$ |
|--|----|

ESTIMATE SUMMARY

| | |
|---------------------------|----------------------|
| A. RIGHT OF WAY | \$ <u>100,000.00</u> |
| B. REIMBURSABLE UTILITIES | \$ <u>0.00</u> |

CONSTRUCTION COST SUMMARY

| | |
|----------------------------|------------------------|
| C. MAJOR STRUCTURES | \$ <u>146,755.00</u> |
| D. GRADING AND DRAINAGE | \$ <u>481,926.00</u> |
| E. BASE AND PAVING | \$ <u>911,410.00</u> |
| F. LUMP ITEMS | \$ <u>250,040.00</u> |
| G. MISCELLANEOUS | \$ <u>72,104.00</u> |
| H. SPECIAL FEATURES | \$ <u> </u> |
| SUBTOTAL CONSTRUCTION COST | \$ <u>1,862,235.00</u> |
| E & C (10%) | \$ <u>186,223.00</u> |
| INFLATION (5% per year) | \$ <u>93,111.00</u> |
| TOTAL CONSTRUCTION COST | \$ <u>2,141,569.00</u> |

GRAND TOTAL PROJECT COST \$ 2,241,569.00

PRELIMINARY COST ESTIMATE

DATE January 9, 1989

PROJECT RS-0828(12) Bartow

P.I. NO. 630364

PROJECT DESCRIPTION Reconstruction of SR 140

Length = 4.5 Miles

PROPOSED CONCEPT Reconstruction

EXISTING ROAD (If Applicable) 18' Pavement 2' Shoulder

TRAFFIC: Existing 780 Design 1280

() PROGRAMMING PROCESS () CONCEPT DEVELOPMENT (X) DURING PROJECT DEVELOPMENT

PROJECT COST

A. RIGHT OF WAY

1. PROPERTY (Land and Easements) \$ 127,000.00

2. DISPLACEMENTS \$ N/A

3. OTHER COSTS \$ N/A

SUBTOTAL \$ 127,000.00

B. REIMBURSABLE UTILITIES

1. RAILROAD \$

2. TRANSMISSION LINES \$

3. SERVICES \$

SUBTOTAL \$ LGPA

C. MAJOR STRUCTURES

1. WALLS \$

2. BRIDGE STREAM CROSSINGS \$

3. BRIDGE OVER/UNDERPASS \$

4. BOX CULVERTS \$

Br. Culvert No. 1 \$25,800.00; Br. Culvert No. 2 \$48,400.00

SUBTOTAL \$ 74,200.00

D. GRADING AND DRAINAGE

| | |
|--|---------------|
| 1. EARTHWORK | |
| 31,600 Cu. Yd. | \$ 620,700.00 |
| 2. DRAINAGE | |
| a. Cross Drain Pipes (exc. box culverts) | \$ 104,773.00 |
| b. Catch Basins Headwalls | \$ 42,020.00 |
| c. Logitudinal System (incl. Catch Basins) | \$ |
| | |
| SUBTOTAL | \$ 767,493.00 |

E. BASE AND PAVING

| | |
|-----------------------------------|---------------|
| 1. AGGREGATE BASE | |
| 33,700 Tons | \$ 402,176.00 |
| 2. ASPHALT PAVING | |
| "F" 5,050 Tons, "B" = 12,250 Tons | \$ 535,394.00 |
| 3. CONCRETE PAVING | \$ |
| | |
| 4. OTHER | |
| Aggregate Surface Crs. 4,000 Tons | \$ 58,800.00 |
| | |
| SUBTOTAL | \$ 996,370.00 |

F. LUMP ITEMS

| | |
|--|---------------|
| 1. TRAFFIC CONTROL | \$ 22,500.00 |
| 2. CLEARING AND GRUBBING | \$ 171,000.00 |
| 3. LANDSCAPING Temporary Erosion Control | \$ 52,100.00 |
| 4. EROSION CONTROL | \$ 16,900.00 |
| 5. DETOURS (Incl. TEMP. BRIDGES) | \$ |
| | |
| SUBTOTAL | \$ |

G. MISCELLANEOUS

| | |
|--|---------------|
| 1. LIGHTING R/W Marker - Rip Rap - Backfill Material | \$ 11,800.00 |
| 2. SIGNING - STRIPING R.R. Crossing | \$ 640.00 |
| 3. GUARDRAIL | \$ 54,762.00 |
| 4. OTHER Fence | \$ 50,000.00 |
| | |
| SUBTOTAL | \$ 117,202.00 |

H. SPECIAL FEATURES

| | |
|--|----|
| | \$ |
|--|----|

ESTIMATE SUMMARY

| | | |
|---------------------------|----------------------|---------|
| A. RIGHT OF WAY | \$ <u>127,000.00</u> | 127,000 |
| B. REIMBURSABLE UTILITIES | \$ _____ | 0 |

CONSTRUCTION COST SUMMARY

| | |
|----------------------------|------------------------|
| C. MAJOR STRUCTURES | \$ <u>74,200.00</u> |
| D. GRADING AND DRAINAGE | \$ <u>767,493.00</u> |
| E. BASE AND PAVING | \$ <u>996,370.00</u> |
| F. LUMP ITEMS | \$ <u>262,500.00</u> |
| G. MISCELLANEOUS | \$ <u>117,202.00</u> |
| H. SPECIAL FEATURES | \$ _____ |
| SUBTOTAL CONSTRUCTION COST | \$ <u>2,217,765.00</u> |
| E & C (10%) | \$ <u>221,776.00</u> |
| INFLATION (5% per year) | \$ <u>110,888.00</u> |
| TOTAL CONSTRUCTION COST | \$ <u>2,550,429.00</u> |

GRAND TOTAL PROJECT COST \$ 2,677,429.00

2,677,429